

FILE 'AGRICOLA, CAPLUS, BIOSIS, EMBASE, USPATFULL' ENTERED AT 12:51:01
ON
01 NOV 2000
L1 59 SEA (FLAVONOID (4A) HYDROXYLASE#) (6A) (DNA# OR CDNA# OR
GENE# OR NUCLEIC)
L2 37 DUP REM L1 (22 DUPLICATES REMOVED)
D TI 1-37
D IBIB AB 34

FILE HOME

FILE AGRICOLA

FILE COVERS 1970 TO 6 Oct 2000 (20001006/ED)

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FILE CAPLUS

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FILE COVERS 1967 - 1 Nov 2000 VOL 133 ISS 19
FILE LAST UPDATED: 31 Oct 2000 (20001031/ED)

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FILE BIOSIS

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FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 31 Oct 2000 (20001031/PD)

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HIGHEST PATENT NUMBER: US6141795

CA INDEXING IS CURRENT THROUGH 31 Oct 2000 (20001031/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 31 Oct 2000 (20001031/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jul 2000

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=> d ti 1-37

L2 ANSWER 1 OF 37 CAPLUS COPYRIGHT 2000 ACS

TI Lignin biosynthetic enzymes and nucleic acids from eucalyptus and pine
and
their use for the modification of plant lignin content and composition

L2 ANSWER 2 OF 37 CAPLUS COPYRIGHT 2000 ACS

TI Cytochrome b5 gene diff of petunia and transgenic plants expressing diff

L2 ANSWER 3 OF 37 USPATFULL

TI Plant **genes** encoding **flavonoid-3', 5'-hydroxylase**

L2 ANSWER 4 OF 37 USPATFULL

TI Transgenic plants exhibiting altered flower color and methods for
producing same

L2 ANSWER 5 OF 37 USPATFULL

TI Cytochrome P450 gene

L2 ANSWER 6 OF 37 CAPLUS COPYRIGHT 2000 ACS

DUPLICATE 1

TI Identification of the Arabidopsis thaliana **flavonoid 3'-hydroxylase gene** and functional expression of the
encoded P450 enzyme

----- L2 ANSWER 7 OF 37 CAPLUS COPYRIGHT 2000 ACS

DUPLICATE 2

TI Transgenic flowering plants having altered anthocyanin levels due to the
expression of a foreign **flavonoid 3',5'-hydroxylase**

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gene

- L2 ANSWER 8 OF 37 AGRICOLA DUPLICATE 3
 TI Isolation and characterization of a **flavonoid 3'-hydroxylase cDNA** clone corresponding to the Ht1 locus of *Petunia hybrida*.
- L2 ANSWER 9 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI The expression of *petunia flavonoid 3'* and *3'5' hydroxylase genes* in potatoes (*Solanum tuberosum* cv. Jopung)
- L2 ANSWER 10 OF 37 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 4
 TI Gibberellic acid regulates **flavonoid 3',5'-hydroxylase gene** transcription in the corolla of *Gentiana scabra*
- L2 ANSWER 11 OF 37 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 5
 TI Expression of chimeric P450 **genes** encoding **flavonoid -3',5'-hydroxylase** in transgenic tobacco and *petunia* plants
- L2 ANSWER 12 OF 37 AGRICOLA DUPLICATE 6
 TI **Flavonoid hydroxylase** from *Catharanthus roseus*: **cDNA**, heterologous expression, enzyme properties and cell-type specific expression in plants.
- L2 ANSWER 13 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Disruption of specific flavonoid genes enhances the accumulation of flavonoid enzymes and end-products in *Arabidopsis* seedlings
- L2 ANSWER 14 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Variation in the ability of the maize Lc regulatory gene to upregulate flavonoid biosynthesis in heterologous systems
- L2 ANSWER 15 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Changing flower color by genetic engineering
- L2 ANSWER 16 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Flavanone 3-hydroxylase (F3H) expression and flavonoid localization in nodules of three legume plants reveal distinct tissue specificities
- L2 ANSWER 17 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI The maize Lc regulatory gene up-regulates the flavonoid biosynthetic pathway of *Petunia*
- L2 ANSWER 18 OF 37 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 7
 TI Plant regeneration and **flavonoid 3',5'-hydroxylase gene** transformation of *Dendranthema zawadskii* and *Dendranthema indicum*
- L2 ANSWER 19 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Plant genes for enzymes of flavonoid biosynthesis and their use in the preparation of new color varieties of ornamental plants
- L2 ANSWER 20 OF 37 USPATFULL
 TI Genetic sequences encoding flavonoid pathway enzymes and uses therefor
- L2 ANSWER 21 OF 37 BIOSIS COPYRIGHT 2000 BIOSIS
 TI Identification and characterization of **flavonoid 3',5'-hydroxylase gene** in transgenic *Chrysanthemum jawadskii*.
- L2 ANSWER 22 OF 37 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 8
 TI **cDNA** cloning and endogenous expression of a **flavonoid 3',5'-hydroxylase** from petals of *lisianthus* (*Eustoma grandiflorum*)

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L2 ANSWER 23 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Plant transgenesis with flavanoid pathway enzyme gene in genetic engineering of altered flower color

L2 ANSWER 24 OF 37 AGRICOLA DUPLICATE 9
 TI Molecular and biochemical characterization of three anthocyanin synthetic enzymes from *Gentiana triflora*.

L2 ANSWER 25 OF 37 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 10
 TI Modification of flower color via manipulation of P450 gene expression in transgenic plants

L2 ANSWER 26 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Transgenic flowering plants

L2 ANSWER 27 OF 37 USPATFULL
 TI Genetic engineering of novel plant phenotypes

L2 ANSWER 28 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Plant **flavonoid 3' hydroxylase genes** and transgenic plants containing these or related nucleic acids

L2 ANSWER 29 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Cloning and expression of plant flavonoid-3',5'-hydroxygenase gene

L2 ANSWER 30 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Molecular cloning of **cDNA** for **flavonoid hydroxylase** of *Solanum*

L2 ANSWER 31 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Genes for cytochrome P450s of plants involved in flavonoid hydroxylation and their cloning and expression in transgenic plants

L2 ANSWER 32 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Activation of anthocyanin synthesis genes by white light in eggplant hypocotyl tissues, and identification of an inducible P-450 cDNA

L2 ANSWER 33 OF 37 AGRICOLA DUPLICATE 11
 TI Cloning and expression of cytochrome P450 genes controlling flower colour.

L2 ANSWER 34 OF 37 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 12
 TI The cloning and characterization of a cDNA encoding a cytochrome P450 from the flowers of *Petunia hybrida*

L2 ANSWER 35 OF 37 AGRICOLA DUPLICATE 13
 TI Gene-enzyme relations in the pathway of flavonoid biosynthesis in barley.

L2 ANSWER 36 OF 37 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 14
 TI Gene-dependent flavonoid 3'-hydroxylation in maize

L2 ANSWER 37 OF 37 CAPLUS COPYRIGHT 2000 ACS
 TI Chalcone synthesis and hydroxylation of flavonoids in 3'-position with enzyme preparations from flowers of *Dianthus caryophyllus* L. (carnation)

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